



Appendix B

Detailed Test Results

1. WIFI

WIFI 2.4GHz for Body



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Scan code to check authenticity



Date: 2023/9/20

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 11CH Bottom side 0mm**DUT: Mobile Label Printer; Type: RPP30; Serial: NA**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.874 \text{ S/m}$; $\epsilon_r = 38.706$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Body/Area Scan (10x11x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.447 W/kg

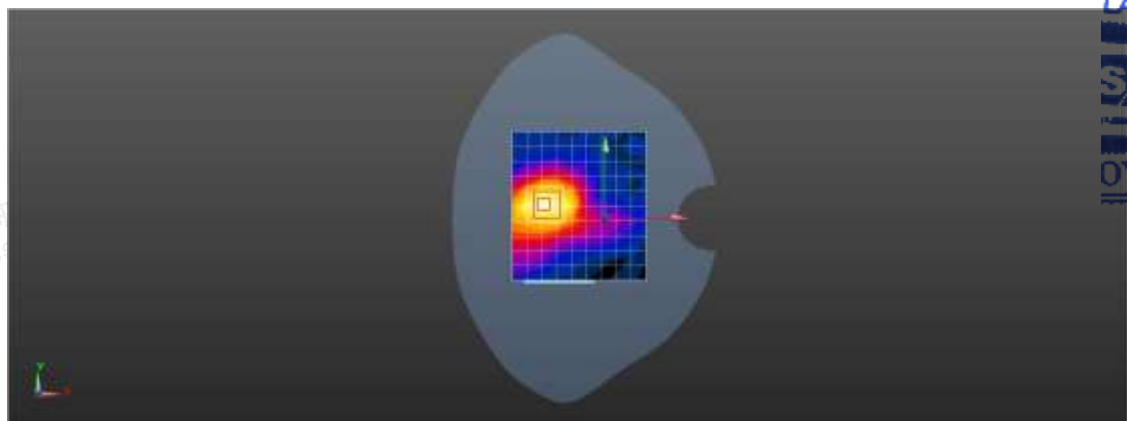
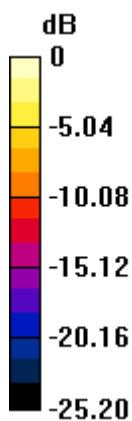
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.730 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.760 W/kg

SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.122 W/kg

Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.447 W/kg = -3.50 dBW/kg



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